

Thermal Integrity

Stone wool is naturally denser than fiberglass, and will maintain its dimensional integrity under all conditions. It will not slump, shrink, expand with temperature fluctuations or compress under light loads as competitive insulations are prone to do.

Thermal Resistance

RockBoard 40/80 ASTM C 518 (C 177)	R-value/inch @ 75°F RSI value/25.4 mm @ 24° C	4.1 hr.ft ² .F/BTU 0.72 m ² K/W
RockBoard 60 ASTM C 518 (C 177)	R-value/inch @ 75°F RSI value/25.4 mm @ 24° C	4.2 hr.ft ² .F/BTU 0.72 m ² K/W

Water Repellent Insulation - Will not Mold, Rot or Corrode

Moisture can cause a number of structural and/or aesthetic problems within commercial buildings. As an integral part of any building design, proper ventilation is necessary to allow any built-up condensation to drain out of the system. RockBoard stone wool insulation is water repellent, helping to deflect moisture away from the surface, alleviating potential issues.

RockBoard insulation is inorganic, and will not rot, corrode, or promote fungi or bacteria growth, which means the potential for related environmental health issues are also mitigated as a result.

Moisture Resistance

RockBoard 40,60,80 ASTM C 1104	Moisture Sorption	<0.08%
-----------------------------------	-------------------	--------

Fungi Resistance

RockBoard 40,60,80 ASTM C 1338	Determination of Fungi Resistance	Passed
-----------------------------------	-----------------------------------	--------